

AMENDMENTS TO THE CLAIMS

This listing of the claims replaces all prior listings and versions:

1 to 56. (canceled).

57. (currently amended): A complex between an exogenous molecule polypeptide and a binding site in cellular chromatin, wherein the binding site comprises a target site and is in an aeeessible a region of cellular chromatin that is sensitive to a probe of chromatin structure.

58-62. (canceled)

63. (currently amended): The complex of claim 62 claim 57, wherein the protein exogenous polypeptide is a transcription factor.

64. (previously presented): The complex of claim 63, wherein the transcription factor is a zinc finger protein (ZFP).

65. (canceled)

66. (previously presented): A cell comprising the complex of claim 57.

67. (canceled)

68. (currently amended): The cell of claim 67, wherein the protein exogenous polypeptide is encoded by a nucleic acid introduced into the cell.

69. (previously presented): The cell of claim 66, wherein the cell is a plant cell.

70. (previously presented): The cell of claim 66, wherein the cell is an animal cell.

71. (previously presented): The cell of claim 66, wherein the cell is a human cell.

72-86. (canceled)

87. (new) The complex of claim 57, wherein the probe of chromatin structure is a chemical probe.

88. (new) The complex of claim 57, wherein the probe of chromatin structure is an enzymatic probe.

89. (new) The complex of claim 88, wherein the enzymatic probe is DNase I.

90. (new) The complex of claim 88, wherein the enzymatic probe is a restriction endonuclease.